FAYSSAL EL MEKKAOUI
DevOps and Cloud Engineer | CKA Certified

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Experienced Cloud and DevOps Engineer with 3 years experience optimising cloud infrastructure, deployments, automation, and Kubernetes management. Certified Kubernetes Administrator (CKA) skilled in building CI/CD pipelines and enhancing system reliability through automation and infrastructure as code.

PROFESSIONAL EXPERIENCE

Cloud and DevOps Engineer | 4D Morocco
July 2022 - now | Rabat, Morocco

- Provisioning of cloud infrastructure
- AWS cloud administration: IAM management | S3 lifecycle rules | global content acceleration with CloudFront, ALB and S3 | DynamoDB backups ...
- Creation, management, updating, monitoring, alerting, and troubleshooting of Kubernetes clusters
- Migrated AWS Lambda/API Gateway deployments from Serverless Framework to Terraform, leveraging remote backend state in S3/DynamoDB and optimized infrastructure-as-code workflows to reduce deployment time from several minutes to 1 minute.
- Management of EKS node groups (creation, configuration, updates...)
- Administration of Kubernetes infrastructure across multiple environments (Dev, Pre-Prod, Prod)
- Securing clusters and pods using NetworkPolicies, SecurityContexts, RBAC, etc.
- EKS cost optimization cutting monthly AWS costs by 30% (scaling nodes to zero outside working hours, automate deletion of unused apps)
- Nginx configuration for web applications (Ingress controller, reverse proxy...)
- Automation of Docker image building and pushing | cloud-based application deployments | cloud operations using Bash/Python/JavaScript scripts
- GitLab instance management (migration, maintenance, monitoring, updates, automated backups) and configuration of GitLab CI/CD pipelines
- Development of serverless microservices using AWS Lambda and API Gateway for authorization, EKS operations, client-triggered actions (CRUD), secure access control, and application status monitoring.
- Leadership and team management

Technical environment: AWS, Kubernetes, Gitlab, Gitlab CI, Docker, Nginx, DynamoDB, Lambda ALB, Helm, CloudWatch, CloudFront. JavaScript, Python, Bash, DigitalOcean, Scrum, Agile ...

Cloud and Devops Intern | 4D Morocco
February 2022 - June 2022 | Rabat, Morocco

Implementation of an alert and monitoring system for the 4D Cloud platform.
- Benchmark of possible solutions for monitoring
- Kubernetes Cluster monitoring
- Explore the different metrics collected by the Prometheus/Cloudwatch solution
- Implementation of an alert and notification system (Prometheus, Alertmanager, Cloudwatch events)
- Set alert thresholds and dashboards for different metrics

Technical environment: Prometheus, Alertmanager, Kubernetes, Grafana, AWS, CloudWatch, Ansible

ESPORT ACADEMY
July 2021 - September 2021 | Remote

Working with a team to build a Streaming platform for video games.
- Prototyping and UI/UX Design
- Front-End Development with ReactJS
- Integration and Deployment

CERTIFICATIONS

Certified Kubernetes Administrator	06/2025	By The Linux Foundation	
GitLab Certified Associate	05/2021	By GitLab	

EDUCATION

National Institute of Posts and Telecommunication INPT RABAT	2019-2022	State Engineer in Cloud and IoT (Bac+5)
Preparatory Classes CPGE SAFI	2017-2019	Industrial technologies and sciences (Bac+5)
Baccalaureate degree with honors	2016-2017	Mechanical sciences and technologies

SKILLS

- **Cloud and Orchestration :** AWS, GCP, Azure, DigitalOcean, Docker, Kubernetes, EKS, AKS, DOKS, NGINX, ALB, Amazon SQS, Apache Kafka
- **Infra as code and Infra Management :** Terraform, Ansible
- **Code management and CI/CD :** Git, Github, Gitlab, BitBucket, Gitlab CI, Jenkins, Github Actions, Azure DevOps
- **Monitoring :** Prometheus, Thanos, Grafana, AlertManager, Loki ...
- **Programming, Scripting and Frameworks :** Javascript, Python, Bash, ExpressJs, Django, Flask
- **DataBases :** DynamoDB, MongoDB, PostgreSQL, MySQL
- **Operating systems :** Linux, Windows
- TroubleShooting, Problem solving, Leadership

LANGUAGES

Arabic: Native   **English:** Advanced   **French:** Intermediate to advanced

INTERESTS

Graphic   Design   Photography   Hiking   Gaming